



# cross talk

NEWS BULLETIN OF TRW AMATEUR RADIO CLUB



Sponsored by Systems Employee Association



WAC  
WAS  
DXCC  
FD'71  
FD'73

TRW/ARC Saturday Morning Nets 10AM LT

Primary	7.280 MHz
Secondary	3.980 MHz
Novice	7.140 MHz
Simplex	147.510 MHz

## EDITORIAL VIEWS

by Doug Heydon, WB6WDS

As the visiting (short-time) CROSSTALK editor for this month, I took a long look back to the first issue of this newsletter published in January 1968. It wasn't called CROSSTALK then - just the BULLETIN. It took eight months of persuasion before the membership in the person of Don Schweitzer WB6TES, came up with the CROSSTALK title. It was a good choice and has served the club well.

I edited CROSSTALK for its first three years or longer (my memory is failing), and one point kept coming out in every issue I put together. The club newsletter, and indeed, the club itself, is only as good as the participation of club members makes it. "Contribution" of your thoughts, ideas, writings and time are the stuff that can make our club, and our newsletter, a cut above average.

As noted prominently on the masthead, and in President Bill Dews' comments, Mac McGrew K6RL, has volunteered to assume the Editor's job beginning next month. I had already opened my big mouth and volunteered for February, or Mac could have had the pleasure of doing this one, too. Since Mac may not be ready to holler for help right away, I'm going to do it for him - CONTRIBUTE. Good luck, Mac.

## THE FEBRUARY MEETING

Crystal filters, and their current hottest application in the new Atlas 350, will be discussed by our February guests. Bob Crawford, who designed and developed the variable bandwidth filter used in the Atlas, will discuss it and present some basic design information for "do-it-yourself" filter builders. Herb Johnson, W6QKI, will have his new rig along to show and tell.

WEDNESDAY, 23 FEBRUARY, 12 NOON, R2-1055 ..... DOOR PRIZES

## REPEATERS REVISITED

Stan Johnson, W6EKK, and Paul Weisz, K6YQ, had a contact on the 01/61 repeater the other day. It's not as ho-hum as it sounds. The contact was between W6EKK/3 in Maryland and K6YQ/4 in Virginia via WR3ABC. Stan and Paul were hotel portable near the national capital with battery powered rigs.

\*\*\* MEETING REMINDER \*\*\* R2-1055

Always the last Wednesday at noon

Subject: Crystal Filters and the  
Atlas 350

Speaker: Bob Crawford/Herb Johnson

PREZ SEZ

by Bill Dews, K6AWO

Since the last CROSSTALK, the position for Editor has been filled by K6RL "Mac" to most of us. He came up on 51 Saturday A.M. and before the QSO was over the club had a new editor. To keep the calls in order WB6RLN took on the job of Training Manager. Gary will need help in the way of instructors. If you volunteer or are called on to assist in any way to move new amateurs into our hobby, please try to help.

Bob Hume WB6AQF attended the LAACARC meeting in January, and paid our 1977 dues (\$5.00). Each executive member will attend one of the meetings, as I want a view on what other clubs are doing in and around L.A. I plan to attend the March 18 P.M. meeting - anyone who would like a ride, give me a call. The club swap meet notice, April 24 will be distributed to each of the LAACARC representatives at this time.

Please note Executive Committee Meeting this month on DUES. The subject is still HOT. If you have any ideas, drop me a line for the March Executive meeting and maybe the issue will be voted in so all of us will be happy.

FROM YOUR FRIENDLY ACTIVITIES CHAIRMAN

by Gary Komatsu, K6HPD

W6TRW Breakfast Club - S Cafeteria 7:15 every Friday

WANT AD

ONE LIVE TRW/ARC 1977 FIELD DAY CHAIRMAN (Volunteer, it won't cost you filing fee)

TRW/ARC SWAP MEET AND AUCTION will be held on April 24th, Sunday 10:00 A.M. to 2:00 P.M. at Aviation and Marine parking lot. Start cleaning your shack and bring all those excess gear to the SWAP MEET AND AUCTION. Your XYL will love you!!

KEEP YOUR EARS TUNED FOR ST. PATRICKS DAY BEER-BUST (date and place later).

Treasurer's Report for January 1977

Balance on hand January 1, 1977: \$ 289.46

Receipts

Dues	\$ 11.00
QSL Orders	21.00
ARRL Memberships	8.00
Raffle ticket sales(1/26)	20.25
Credit Union dividend	<u>3.97</u>
	\$ 64.22

Expenses

Refund of Unused Hamfeast	
Registration	\$ 8.76
FM Conversion of HA-1200	10.00
LAACARC 1977 dues (first pmnt)	2.00
Door prizes (1/26 meeting)	22.47
ARRL Memberships	<u>8.00</u>
	\$ 51.23

Balance on hand January 31, 1977: \$ 302.45

Respectfully submitted,  
David P. Carson, WB6BG0,  
Treasurer, TRW/ARC

EXECUTIVE COMMITTEE MEETING - FEBRUARY 10, 1977

By Jim Hill

The TRW ARC Executive Committee meeting was called to order at 12:07 PM, February 10, 1977, in Doug Heydon's office. President Bill Dews, K6AWO, Vice President Doug Heydon, WB6DWS, Secretary Jim Hill, W6IVW, Treasurer Dave Carson, WB6BGO, Activities Chairman Gary Komatsu, K6HPD, Cross Talk Editor Mac McGrew, K6RL, and assistant Editor Mel Erb, K6GWC, Financial Team Chairman Phil Presser, WB6MXE, and Swap Meet Chairman Jim McWilliams, W6RTG were present.

Cross Talk Editors

The first order of business was the introduction of the new Cross Talk editorial team, Mac McGrew and Mel Erb. It is understood that Mac Volunteered..... no arm twisting needed. Mac heard that Mel was considering the job but had not succumbed to Jim Hill's sales pitch, and immediately appointed Mel his assistant. Thanks, Mac and Mel, it takes volunteers like you to keep the club going! To allow time for Mac and Mel to get on board, Doug Heydon will publish the next edition.

Cross Talk Advertizing

Phil Presser passed out copies of a letter he proposes to send to prospective advertizers, and asked for comments. Rates were discussed, and Phil will contact other clubs to determine typical rates.

Swap Meet

Jim McWilliams discussed the forthcoming swap meet that will be held on Sunday, April 24, 1977. Assistance is needed during the swap meet, and Jim is looking for volunteers.

ICOM Insurance

Due to a healthy increase in the ICOM 230 insurance premium, the policy will not be renewed. This means that borrowers are responsible for returning the ICOM in good condition, and an impressive legal document defining this responsibility must be signed when it is borrowed. The club has a number of items that are available for loan. Contact Frank Cartier, x51188 for the ICOM, and Gary Komatsu, x52584 for other equipment.

EXECUTIVE COMMITTEE MEETING - continued

Dues Increase

Treasurer Dave Carson submitted a proposed by-laws change to allow a dues increase. It was originally intended to propose an increase to the membership in the edition of Cross Talk, but some of the committee disagreed with Dave's proposal. An alternative proposal agreeable to the majority of the committee could not be determined, so it was decided to publish Dave's proposal and discuss it further at the next general meeting. Dave proposed the following:

Full Member	\$5.00
Associate Member	\$8.00
Family Membership	\$11.00

A family membership is available for families with more than one full member.

The meeting was adjourned at 1:07 PM.

## C & A ELECTRONICS

By Jim Hill, W6IVW

While watching the ARRL Handbook donated by C & A Electronics being raffled, I realized I had never visited their store. Nelson Hayes, W6VBB, had not been there either, so we decided to see what they had for sale.

C & A Electronics is located at 2529 E. Carson, Long Beach, phone 834-5868. The best route from Space Park is to drive South on the San Diego freeway to Alameda. Go North (under the freeway) one block, not counting freeway on ramps, to Carson, and turn right. Immediately after the right turn, check the left side of Carson for a tower and beam, and you are there. C & A is in two buildings separated by a narrow alley, and the entrance is at the left building. They specialize in FM equipment, both new and used, with one building devoted to each. There is a smaller quantity of test equipment and parts, both new and surplus.

What was of special interest there? They have a number of Motorola T33BAT -1100 motorcycle high band rigs for \$25 with power cable. These rigs have solid state receivers and tube type transmitters, with 2E24's in the final. Manuals are available for \$5. Large quantities have been sold, and a number of Air Force Mars members have bought them for use on the 142.155-143.46 Mars repeater. If you intend to make a special trip to buy this item, call and verify they are not sold out. Nelson Hayes discovered a sleeper, a PC board containing many 12 VDC relays for \$1.95.

Do the good guys that donate prizes for the door prize come out ahead? They sure do! The next day, W6VBB and I visited them again. C & A's cash register jingled, and we left with a real fire breather. All personnel are hereby warned to use caution in the vicinity of W6VBB's car. Intense radiation fields may occur at any time..... after a little debugging, that is. Initial tests resulted in a zero power output.

1-25-77 GENERAL MEETING

By Jim Hill, W6IVW

27 people were present at the 1-25-77 general meeting, including two guests.

President Bill Dews appointed Dave Carson (with assistance from Frank Halligan) to prepare a proposal to increase the membership dues. The proposal will be presented to the next executive board, and will be submitted to the membership in the next edition of Cross Talk.

A request was made for a volunteer for the Cross Talk editor position, but the silence was overwhelming. Should anybody change their minds, they should call Bill, x62692.

Wear your badges to meetings, sez Bill. You might not recognize the face of the person sitting next to you, but maybe you had a QSO with him on the way to work. If you don't have a badge, contact Gary Komatsu, x52584. After you find your badge and put it in the proper place for the next meeting, remove the calendar from the last edition of Cross Talk and post in on your bulletin board. Is anyone interested in the ARRL Qualification Run, a code proficiency test? The 15 WPM test should prove a challenge to many of us generals.

Our speaker, Chip Angle, WA6GUY, was then introduced, and we heard an interesting talk of VHF DX'ing, or weak signal communications as the devotees call it. You repeater users may wonder what they call FM communications. The proper term is convenience mode. Well, that sounds better than 2 meter CB'ers.

For those who missed the meeting, good descriptions of the various modes are available in both the ARRL and RSGB handbooks, with Chip preferring the RSGB handbook. Two meter weak signal communications often occur on 145.1 MHz, using horizontal polarization. 3985 is often used as a VHF discussion frequency, and 3815 used for communications during meteoric showers.

The final event was the raffle, and your secretary watched others pick up all the prizes. Well, I can still remember the time I picked up a Tektronix 310 scope at a raffle. I had my usual luck, being in 20th place, but none of the others realized what a choice item they missed.

### FCC GARAGE SALE CONTINUES

Bill Ivey, WA6QET, still has some ex-FCC monitoring station items for sale, and is offering them with a 20 % discount from the November Cross Talk prices. The remaining items and the new low, low prices are listed below: (Say Bill, would you like to become a patron member of TRW ARC - same dues, more glory. Donate the 51J-4 as a door prize and maby it can be arranged!)

Collins 51J-4	Receiver, 0.5 to 30 MHz	\$420
Hallicrafters S-37	Receiver, 125 to 230 MHz, AM/FM, UHF	\$100
Hammarlund HQ-200	Receiver, 0.54 to 30 MHz, AM/SSB	\$140
General Radio 617C	Oscillator, 0 to 10 KHz	\$16
RCA WR 59B	TV Sweep Generator, 0 to 216 MHz	\$20
Kron Hite 330M	LF Bandpass Filter	\$16
Teletype TS 1060/GG	Mark-Space Error CRT	\$8
Dietzgen 4317	Film Reader, Reel	offer
Resistors	High Wattage, Various	8¢ ea.
Electronic Enclosures	Qty 5, 7ft, 19 in.	\$8
Lambda 25	Power Supply	\$12

### FOR SALE

Gonset Communicator 4 with VFO. 2 meter AM. 12 or 110 V \$90. Ameco TX-62 6 and 2 meter AM transmitter. \$50. Both units are clean, run, and include manuals. Help Jim Hill deflate his garage and inflate his wallet by calling him at x51095 or (home) 213-378-4411.